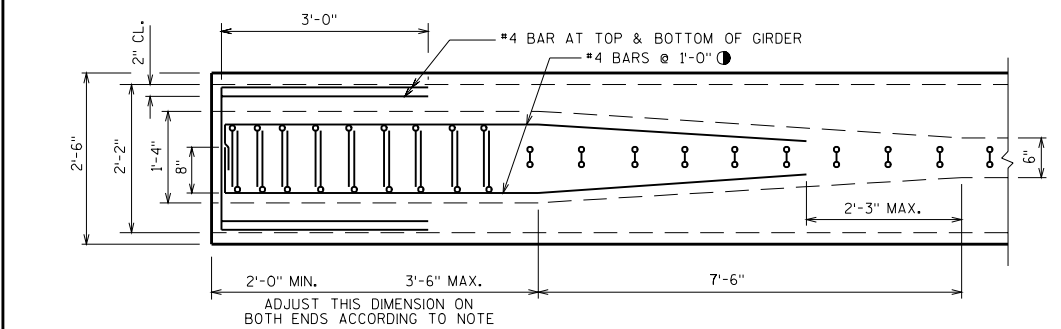


▲ VARIES FOR ELASTOMERIC BRGS. SEE STD. 27.7

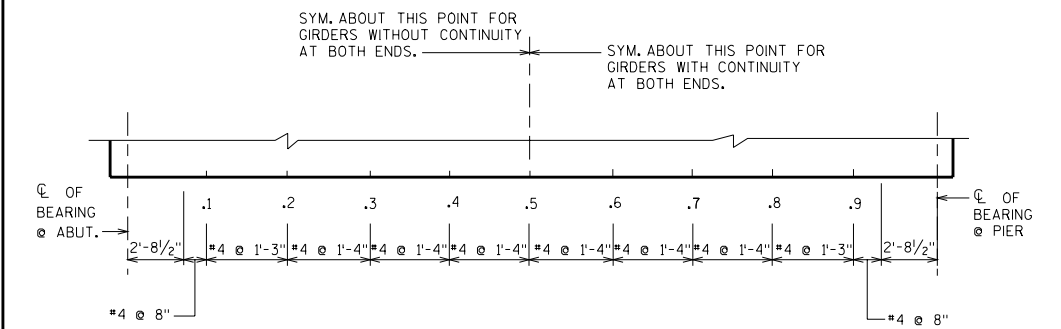
● INCREASE THE SIZE OF THESE BARS IF REQUIRED BY AASHTO LRFD 5.8.3.5

SUPPORT WITH STEEL OR ELASTOMERIC BRGS.

SIDE VIEW OF GIRDER



TOP VIEW OF GIRDER

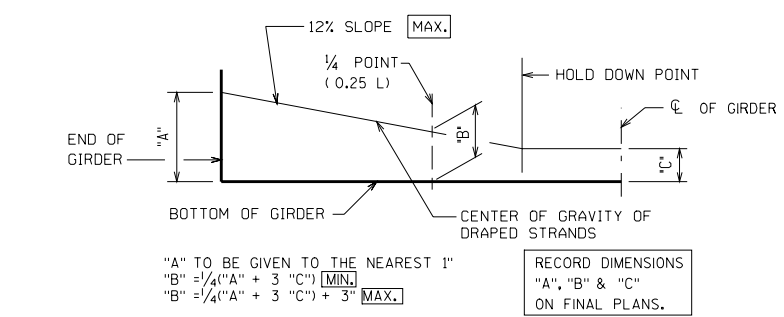


MAXIMUM STIRRUP NUMBER REQUIREMENTS

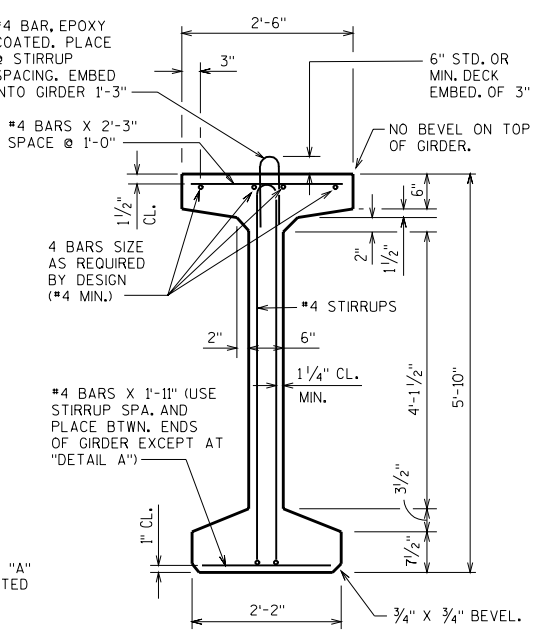
VALUES SHOWN ARE FOR STIRRUPS FOR 105'-0" SPANS AND 11'-6" GIRDER SPACING, HS20 LOADING. DESIGN STIRRUPS FOR ALL OTHER CASES. USE #4 BARS AT 1'-4" AS MINIMUM STIRRUP AREA.

SUPPORT WITH 1/2" ELASTOMERIC BEARING PAD

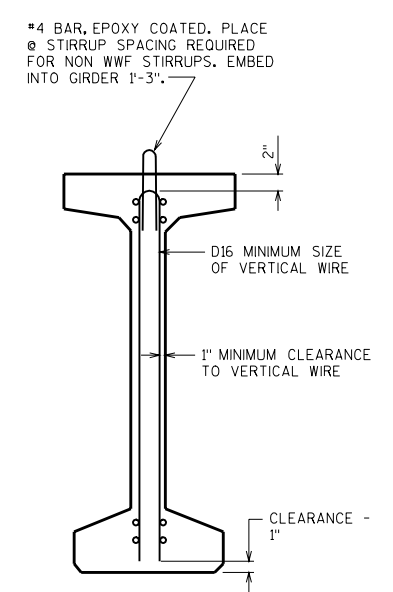
END OF GIRDER



LOCATION OF DRAPED STRANDS



SECTION THRU GIRDER



SECTION THRU GIRDER
SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS

GENERAL NOTES

- THESE NOTES APPLY TO ALL GIRDERS.
- THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.
- STRANDS SHALL BE FLUSH WITH END OF GIRDER. ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.
- TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO THE SLAB, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL BE TROWEL FINISHED.
- SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #4 STIRRUPS, TWO OPTIONS ARE AVAILABLE:
1. USE ASTM A706, GRADE 60 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.
 2. USE ASTM A615, GRADE 40 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.
- AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION. (608) 266-8494
- WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.
- IF THE CONTRACTOR USES THE BOTTOM FLANGE TO SUPPORT CONSTRUCTION FORMS, THE CONTRACTOR SHALL SUBMIT FALSEWORK PLANS FOR APPROVAL BY THE STRUCTURES DESIGN SECTION.

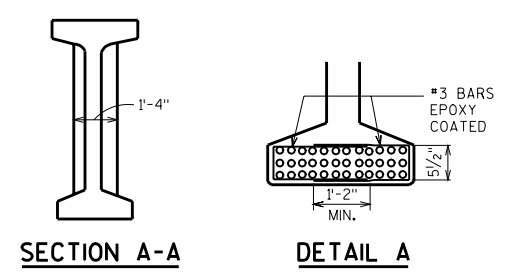
DESIGNER NOTES

ON MULTIPLE SPAN STRUCTURES SET THE END BLOCK LENGTHS OF GIRDERS RESTING ON THE SAME PIER TO ± 2". ON SIMPLE SPANS SET THE END BLOCK LENGTH ON BOTH GIRDER ENDS TO ± 2".

THE MAX. NUMBER OF DRAPED 0.5"φ STRANDS IS 12 AND FOR 0.6"φ STRANDS THE MAX. IS 8.

GIRDER LENGTHS IN EXCESS OF 140 FEET MAY BE CONTROLLED BY TRANSPORTATION LIMITATIONS AND REQUIRE APPROVAL BY THE PRESTRESS GIRDER MANUFACTURERS.

SPECIFY CONCRETE STRENGTH AS REQUIRED BY DESIGN FROM A MINIMUM OF 6,000 PSI TO A MAX. OF 8,000 PSI. USE 0.6" STRAND FOR ALL PATTERNS.



SECTION A-A

DETAIL A

70" PRETENSIONED GIRDER DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: _____ DATE: 1/03